

S/N unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: KITAOKA et al. Serial No.: unknown  
Filed: concurrent herewith Docket No.: 10873.826US01  
Title: COHERENT LIGHT SOURCE AND RECORDING/REPRODUCING APPARATUS USING THE SAME

CERTIFICATE UNDER 37 CFR 1.10

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By:   
Name: Chris Stordahl

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In connection with the above-identified application filed herewith, please enter the following preliminary amendment:

IN THE CLAIMS

Please amend the following claims:

6. (Amended) The coherent light source according to claim 1, wherein the wavelength of the fundamental light that has passed through the wavelength converting device is detected so as to be controlled to the desired wavelength.

7. (Amended) The coherent light source according to claim 1, wherein a means for separating the fundamental light and the harmonic light and detecting only the fundamental light is provided on an optical path through which light generated by wavelength conversion with the wavelength converting device travels.

8. (Amended) The coherent light source according to claim 1, further comprising:

a diffraction grating; and

a photo-detector,

wherein the photo-detector detects the fundamental light diffracted by the diffraction grating.

13. (Amended) The coherent light source according to claim 1, further comprising:

a cesium (Cs) gas cell; and

a photo-detector,

wherein the photo-detector detects the fundamental light that has passed through the Cs gas cell.

15. (Amended) A recording/reproducing apparatus comprising:

the coherent light source according to claim 1,

wherein the coherent light source is adjusted to have an optimum wavelength that meets the Bragg conditions in reproducing hologram information recorded on a medium.

16. (Amended) A recording/reproducing apparatus comprising:

the coherent light source according to claim 1 and

an optical system for focusing light emitted from the coherent light source on an information medium.

Please add the following new claims:

17. (New) The coherent light source according to claim 5, wherein the wavelength of the fundamental light that has passed through the wavelength converting device is detected so as to be controlled to the desired wavelength.
18. (New) The coherent light source according to claim 5, wherein a means for separating the fundamental light and the harmonic light and detecting only the fundamental light is provided on an optical path through which light generated by wavelength conversion with the wavelength converting device travels.
19. (New) The coherent light source according to claim 5, further comprising:
  - a diffraction grating; and
  - a photo-detector,wherein the photo-detector detects the fundamental light diffracted by the diffraction grating.
20. (New) The coherent light source according to claim 5, further comprising:
  - a cesium (Cs) gas cell; and
  - a photo-detector,wherein the photo-detector detects the fundamental light that has passed through the Cs gas cell.
21. (New) A recording/reproducing apparatus comprising:
  - the coherent light source according to claim 5,
  - wherein the coherent light source is adjusted to have an optimum wavelength that meets the Bragg conditions in reproducing hologram

information recorded on a medium.

22. (New) A recording/reproducing apparatus comprising:

the coherent light source according to claim 5 and

an optical system for focusing light emitted from the coherent light

source on an information medium.

REMARKS

The above preliminary amendment is made to remove multiple dependencies from claims 6, 7, 8, 13, 15 and 16.

Applicants respectfully request that the preliminary amendment described herein be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, Douglas P. Mueller (Reg. No. 30,300), at (612) 371.5237.

Respectfully submitted,

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Dated: October 24, 2001

By Curtis B. Hamre

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Reg. No. 29,165

DPM/tvm

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6. (Amended) The coherent light source according to claim 1 [or 5], wherein the wavelength of the fundamental light that has passed through the wavelength converting device is detected so as to be controlled to the desired wavelength.

7. (Amended) The coherent light source according to claim 1 [or 5], wherein a means for separating the fundamental light and the harmonic light and detecting only the fundamental light is provided on an optical path through which light generated by wavelength conversion with the wavelength converting device travels.

8. (Amended) The coherent light source according to claim 1 [or 5], further comprising:  
a diffraction grating; and  
a photo-detector,  
wherein the photo-detector detects the fundamental light diffracted by the diffraction grating.

13. (Amended) The coherent light source according to claim 1 [or 5], further comprising:  
a cesium (Cs) gas cell; and  
a photo-detector,  
wherein the photo-detector detects the fundamental light that has passed through the Cs gas cell.

15. (Amended) A recording/reproducing apparatus comprising:

the coherent light source according to claim 1 [or 5],

wherein the coherent light source is adjusted to have an optimum wavelength that meets the Bragg conditions in reproducing hologram information recorded on a medium.

16. (Amended) A recording/reproducing apparatus comprising:

the coherent light source according to claim 1 [or 5] and

an optical system for focusing light emitted from the coherent light source on an information medium.